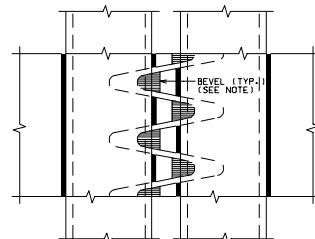


PART SECTION THRU EXPANSION DEVICE
DAMS AT FINGER TYPE EXPANSION DEVICES
TYPE "A"

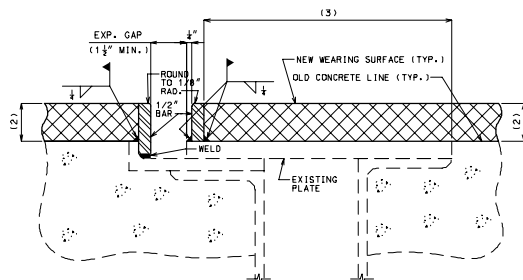
NOTE: NOTCH FLANGE
WHERE NECESSARY TO
CLEAR RIVET HEADS.



NOTE: TOP SURFACE AT ENDS OF ALL TEETH TO BE BEVELED 1/8" IN 1-1/2" TO PERMIT FREE MOVEMENT UNDER NEW 6" OR 7" CHANNEL.

PART PLAN AT EXPANSION DEVICE

NOTE: DASHED LINES INDICATE OLD WORK.
SOLID LINES INDICATE NEW WORK.



PART SECTION THRU EXPANSION DEVICE
DAMS AT PLATE TYPE EXPANSION DEVICES
TYPE "B"

GENERAL NOTES:

STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH ASTM A709 GRADE 36.
QUALIFICATION OF WELDING OPERATORS WILL BE REQUIRED.
E7016 OR E7018 ELECTRODES SHALL BE USED.

THE STEEL DAMS SHALL EXTEND FULL ROADWAY WIDTH BETWEEN CURBS, BUT SHALL BE INSTALLED IN SECTIONS OF SUCH LENGTHS TO PERMIT AT LEAST ONE WAY TRAFFIC AT ALL TIMES, BEFORE TRAFFIC IS PERMITTED TO CROSS OVER SECTIONS OF DAMS IN PLACE, SUFFICIENT WEARING SURFACE SHALL BE PLACED ON ROADWAY SLAB ADJACENT TO BOTH SIDES OF EXPANSION DEVICE TO PREVENT ANY DAMAGE TO EITHER THE STEEL DAMS OR TIRES OF VEHICLES.

STEEL DAMS SHALL BE FABRICATED AND INSTALLED TO THE CROWN AND GRADE OF THE ROADWAY.

STEEL CHANNELS OR BARS ON BOTH SIDES OF EXPANSION JOINT, FOR FULL WIDTH OF ROADWAY, WILL BE CONSIDERED COMPLETELY COVERED BY THE CONTRACT UNIT PRICE FOR STEEL BAR DAM.

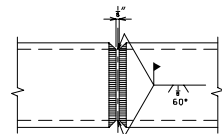
PAINT INSIDE SURFACE OF CHANNEL 5.0 MILS THICKNESS OF INORGANIC ZINC PRIMER.

SHOP DRAWINGS WILL NOT BE REQUIRED FOR STEEL BAR DAMS.

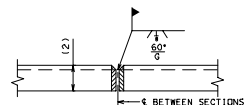
(1) WEARING SURFACE THRU 1-3/4", USE CHANNEL C8 x 10.5, WEARING SURFACE GREATER THAN 1-3/4" TO 2-1/4", USE CHANNEL C1 x 14.75 OR MC8 x 15.1.

(2) SEE BRIDGE PLANS FOR REQUIRED WEARING SURFACE THICKNESS.

(3) WHEN THIS DIMENSION EXCEEDS 3" AND A CONCRETE WEARING SURFACE IS USED, TACK WELD A ONE INCH BAR CHAIN TO THE PLATE FOR EACH 3" OF PLATE TO BE COVERED BY WEARING SURFACE.



PLAN



ELEVATION

DETAILS OF CHANNEL SPLICE

NOTE: FIELD SPLICE TO BE AT 1/4 ROADWAY FOR 2 LANE BRIDGES.

MISSOURI HIGHWAY AND TRANSPORTATION
COMMISSION

STEEL DAMS
AT EXPANSION DEVICES
FOR RESURFACING BRIDGE FLOORS

DATE

EFFECTIVE: 07-01-2004

712.40J

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